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1 Routine/Function Prologues

1.0.1 noah_setup.F90 (Source File: noah_setup.F90)

Complete the setup routines for noah

REVISION HISTORY:

4 Nov. 1999: Paul Houser; Initial Code
 28 Apr. 2002: K. Arsenault; Modified to NOAH LSM 2.5 code to LDAS

INTERFACE:

```
subroutine noah_setup()
```

USES:

```
use lisdrv_module, only: lis,tile
use noah_varder
use spmdMod, only : masterproc, npes
```

CONTENTS:

```
#if ( ! defined OPENDAP )
  if ( masterproc ) then
#endif
  call setnoahp()
  call noah_gfrac()
  call noah_alb()
  call noah_coldstart()
  do t=1,lis%nch
    noah(t)%swnet = 0
    noah(t)%lwnet = 0
    noah(t)%qle = 0
    noah(t)%qh = 0
    noah(t)%qg = 0
    noah(t)%snowf = 0
    noah(t)%rainf = 0
    noah(t)%evap = 0
    noah(t)%qs = 0
    noah(t)%qsb = 0
    noah(t)%qsm = 0
    noah(t)%swe = 0
    noah(t)%soilmoist1 = 0
    noah(t)%soilmoist2 = 0
    noah(t)%soilmoist3 = 0
    noah(t)%soilmoist4 = 0
    noah(t)%soilwet = 0
    noah(t)%tveg = 0
    noah(t)%esoil = 0
```

```
noah(t)%rootmoist =0
noah(t)%soilm_prev = 0
noah(t)%swe_prev = 0
noah(t)%count = 0
enddo
#if ( ! defined OPENDAP )
endif
if ( npes > 1 ) then
    call noah_scatter
endif
#endiff
```